

Geol Survey

STATE GEOLOGICAL SURVEY

INDEX

to Accompany the

Map of the State of Arizona

on a Scale of Eight Miles to the Inch

PREPARED BY

The United States Geological Survey

in Cooperation with

The Arizona Bureau of Mines

By ELDRED D. WILSON, Assistant Geologist

ARIZONA BUREAU OF MINES



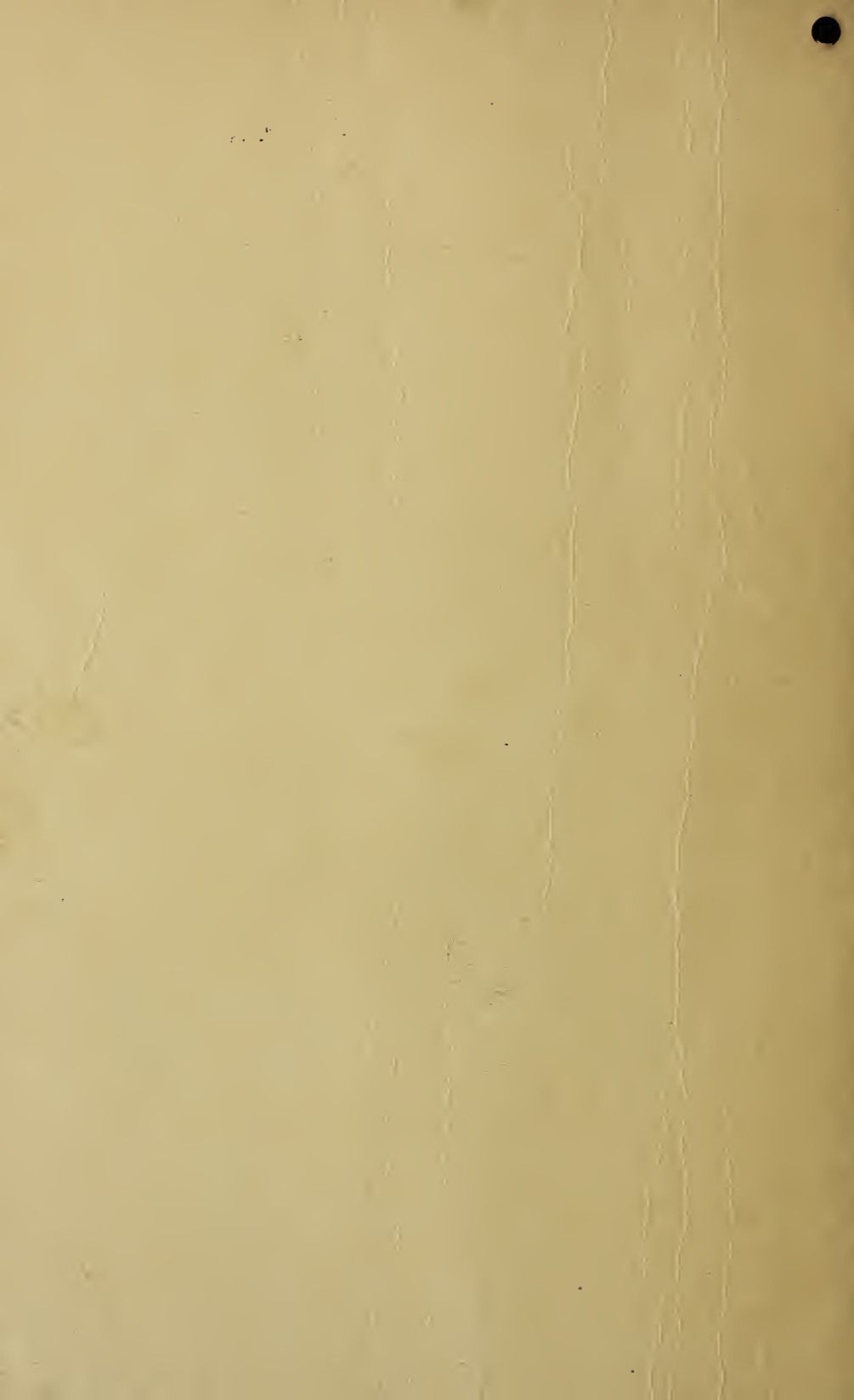
PUBLISHED BY THE

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G. M. BUTLER, DIRECTOR

TUCSON, ARIZONA

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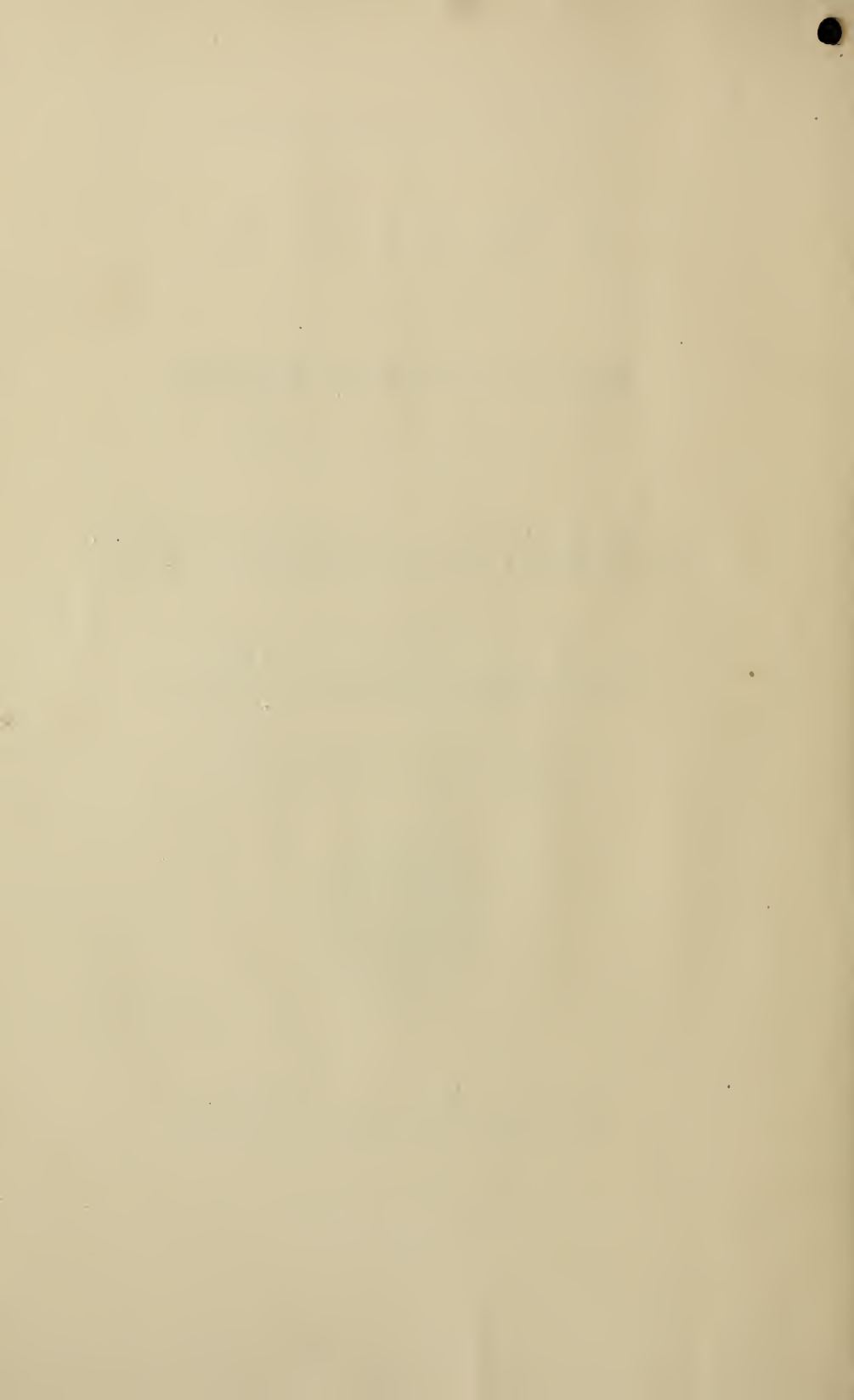
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INDEX TO ACCOMPANY MAP OF ARIZONA

Introductory Statement: Less than two years ago it was decided that the Arizona Bureau of Mines should expend its activities so as to include geological investigations. It was found that nothing was known concerning the geology of fully half of the State, and that a considerable proportion of the work that had been done was of a rather unsatisfactory character. It was known that most of the inquiries addressed to the Bureau to which it was impossible to give satisfactory replies could be answered if a fairly accurate geological map of the entire State were available. It was therefore decided to push the preparation of such a map just as rapidly as possible, and at the same time to gather data for preliminary reports on mining districts not previously described.

Before the information collected in the field and obtained from other sources could be set forth satisfactorily on paper it was necessary to find an accurate base map of the State. It soon became evident that no such map was available, so the Bureau decided to draw its own map. Mr. Olaf P. Jenkins, then Geologist of the Bureau, succeeded in collecting a large number of county and other maps, complete alignment maps of all the railroads in the State, and a considerable amount of additional data. At this point the United States Geological Survey learned of the plans of the Bureau, and expressed a willingness to cooperate therewith. An agreement was therefore reached whereby the Bureau furnished the Survey with all the maps and other data in its possession, together with a certain sum of money to pay a part of the actual cost of drafting the map. The Survey then had the map drawn and printed after adding a great deal of data that would not have been available to the Bureau. The resulting map of Arizona is believed to be the most accurate and up-to-date in print, and will be used as a basis for all geological mapping done by the Bureau. It is expected that within a year or two it will be possible to offer this same map with the surface distribution of all the major geological groups shown thereon.

Explanation: The map has been indexed very carefully by means of the Roman and Arabic numerals at the top, bottom, and sides. As an illustration of the use of these numerals, assume that it is desired to learn the location of the town of Sentinel. The index number of this town is VIII-24. By locating Roman numeral VIII at the bottom of the map and running upward until opposite Arabic numeral 24 at the left side of the map, the town sought may be readily found.

The key numbers given for railroads, rivers, and canals refer to the points on the map where the names of these features are shown.

Although it will be impossible to correct the plates of this map, it will be feasible to make corrections when the geological map is prepared. For this reason it is hoped that any omissions or errors of spelling or location will be at once brought to the attention of the Bureau.

G. M. BUTLER, *Director.*

June 20th, 1920.

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the Arizona Bureau of Mines.

CITIES, TOWNS, AND VILLAGES

KEY

KEY

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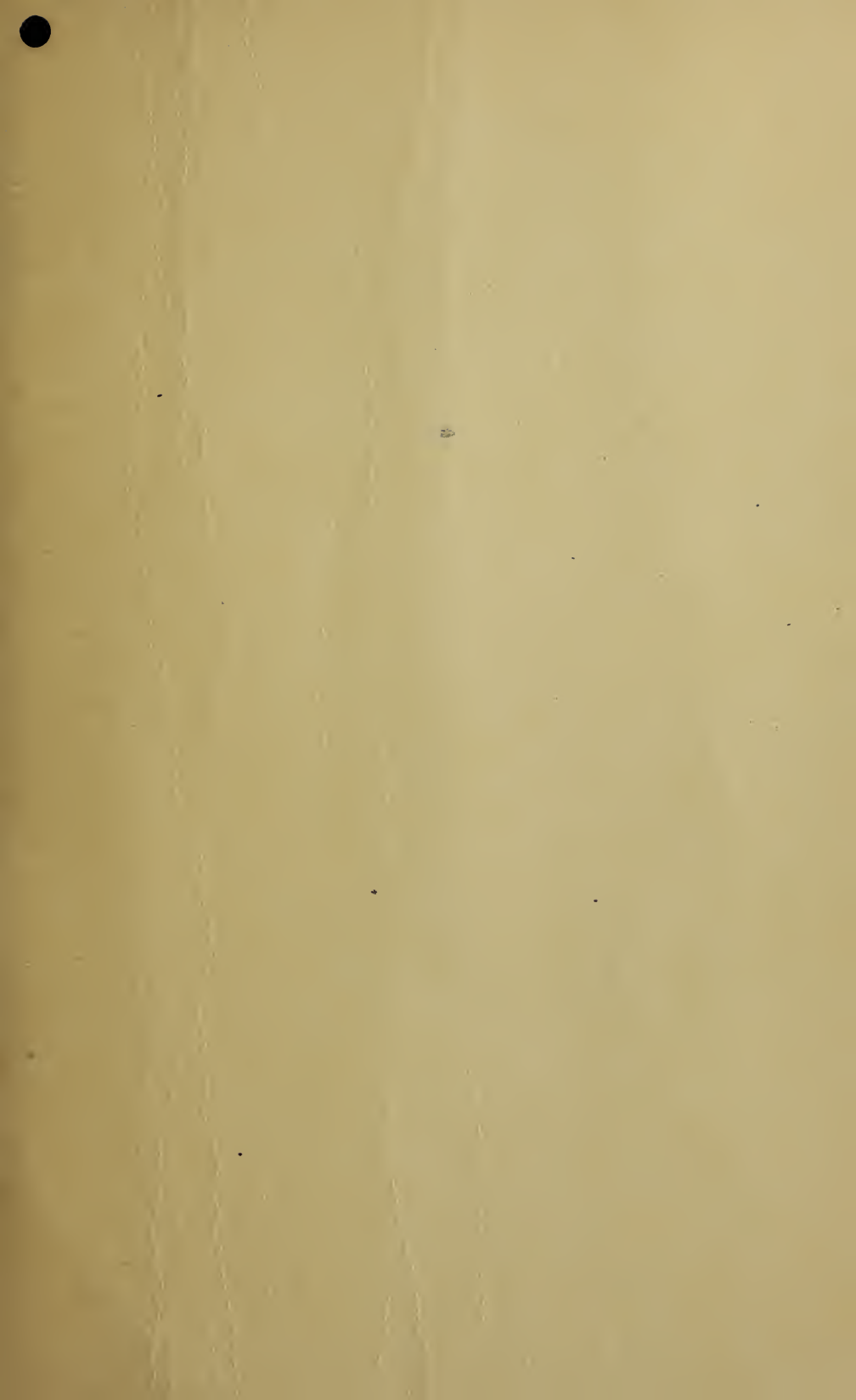
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